

IN THE SPECIFICATION:

[0038] In some particular embodiments a suitable additional resinous material comprises a resinous copolymer with structural units derived from at least one alkenyl aromatic compound and at least one conjugated diene ~~which copolymer is miscible with or compatible with that portion of a polyurethane comprising copolymer which comprises structural units derived from at least one alkenyl aromatic compound and at least one conjugated diene.~~ In particular embodiments alkenyl aromatic compounds comprise styrene, alpha-methyl styrene, 2-methylstyrene, 3-methylstyrene, 4-methylstyrene, 2-t-butylstyrene, 3-t-butylstyrene, 4-t-butylstyrene, styrenes having from 1 to 5 halogen substituents on the aromatic ring, and the like, and combinations thereof. Conjugated dienes comprise butadiene, isoprene and the like. The resinous copolymer, and in particular the diene-derived structural units of the copolymer, may be hydrogenated or unhydrogenated. Suitable resinous copolymers may include those with linear, star, diblock, triblock or radial structure. The resinous copolymer comprising an alkenyl aromatic compound and a conjugated diene may be a random copolymer, a partial random copolymer or a block copolymer such as, but not limited to, an A-B, A-B-A or A-B-A-B block copolymer wherein "A" and "B" represent an alkenyl aromatic compound and a conjugated diene block respectively. In some particular embodiments suitable resinous copolymers comprise structural units derived from styrene and at least one conjugated diene, illustrative examples of which include, but are not limited to, polystyrene-b-poly(butadiene) copolymer (SB); polystyrene-b-poly(isoprene)-b-polystyrene copolymer (SIS); polystyrene-b-poly(butadiene)-b-polystyrene copolymer (SBS); polystyrene-b-poly(ethylene-propylene)-b-polystyrene copolymer (SEPS); polystyrene-b-poly(ethylene-butylene)-b-polystyrene copolymer (SEBS); and polystyrene-b-poly(ethylene-ethylene/propylene)-b-polystyrene copolymer (SEEPS). Suitable resinous copolymers typically comprise about 10-80 wt.% or 12-70 wt.% or 12-65 wt.% structural units derived from an alkenyl aromatic compound such as styrene. In a particular embodiment suitable resinous copolymers for use in blends with polyurethane-comprising adhesives comprise elastomeric polystyrene-b-poly(styrene-butadiene)-b-polystyrene copolymer (S-S/B-S) block copolymers containing a statistical S/B sequence and containing up to about 65 wt. % structural units derived from styrene. Illustrative examples of S-S/B-S block copolymers

include STYROFLEX available from BASF Corporation. In a particular embodiment a suitable S-S/B-S block copolymer has a block length ratio of 15:70:15, wherein the S/B mid-block is a statistical or random copolymer of styrene and butadiene.